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1	INFORMATION DISCLOSURE
	INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)
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		10725904	
		2003-12-01	
First Named Inventor	Wat	ton	
Art Unit		2616	
Examiner Name	JAIN	I, RAJ K	
Attorney Docket Numi	er	030412	

	U.S.PATENTS								
	_		1	0.5.	PAIENIS	L 1			
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear			
	1	4750198		1988-06-07	Harper				
	2	5509003		1996-04-16	Snijders et al.				
	3	5982327		1999-11-09	Vook et al.				
	4	6351499		2002-02-26	Paukaj et al.				
	5	6363267		2002-03-26	Lindskog et al.				
	6	6731668		2004-05-04	Ketchum				
	7	6940917		2005-09-06	Menon et al.				
-	8	7006464		2006-02-28	Gopalakrishnan et al.				

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	Filing D
INFORMATION DISCLOSURE	First Na
STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Art Unit
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First Named Inventor	Walte	on ×			
Art Unit		2616			
Examiner Name	JAIN,	, RAJ K			
Attorney Docket Numi	ber	030412			

	9	7095709		2006-06	9-22	Walton et al.				
	10	7164669		2007-01	I-16	Li et al.				
If you wis	If you wish to add additional U.S. Patent citation information									
	U.S.PATENT APPLICATION PUBLICATIONS									
Examiner initial*	Cite No	Publication Number	Kind Code ¹	Publica Date	ition	Name of Pate of cited Docu	entee or Applicant ment	Rele	es,Columns,Lines where want Passages or Relev res Appear	
	1	20020154705		2002-10	2002-10-24 Wa		Walton et al.			,
	2	20030125040		2003-07-03		Walton et al.				
	3	20040042556		2004-03	2004-03-04 Me		ı.			
If you wis	h to a	dd additional U.S. Publi	shed Ap	plication	citation	n information p	lease click the Ad	d butto	on.	
				FOREIG	SN PAT	ENT DOCUM	ENTS			
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²			Publication Date	Name of Patente Applicant of cited Document		Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T5
	1	0755090	EP			1997-01-22	Nortel Networks Ltd	j.		0
	2	1170879	EP			2002-01-09	Matsushita Electric Industrial Co. , Ltd.			

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

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Filing Date		2003-12-01		
First Named Inventor	Walte	on		
Art Unit		2616		
Examiner Name	JAIN	I, RAJ K		
Attorney Docket Number		030412		

	3	1207635	EP		2002-05-22	Lucent Technologies Inc.		
	4	2300337	GB		1996-10-30	ERICSSON Ge MOBILE COMMUNICATIONS INC		
	5	2006-0095576	KR		2006-08-31	Qualcomm, Inc.		
	6	2201034	RU		2003-03-20	TELEFONAKTIEBOLAG ET LM EhRIKSSON		
	7	01076110	wo		2001-10-11	Qualcomm, Iric.		
	8	02025853	wo		2002-03-28	IOSPAN Wireless, Inc.		_
	9	02078211	wo		2002-10-03	Qualcomm, Inc.		
	10	03019984	wo		2003-03-06	Commissariat a L'Energie Atomique		
	11	95030316	wo		1995-11-09	Motorola Inc.		
If you wish	n to ac	d additional Foreign P	atent Document	citation	information pl	ease click the Add buttor	1	
			NON-PATE	IT LITE	RATURE DO	CUMENTS		
Examiner Initials*	Cite No		nal, senal, symp	osium,	catalog, etc), o	the article (when appropriate, pages(s), volume-is		T5

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

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First Named Inventor	Walte	on		
Art Unit		2616		
Examiner Name	JAIN	, RAJ K		
Attorney Docket Numb	oer	030412		

	1	INTERNATIONAL SEARCH REPORT-PCT/USQ4/038198, INTERNATIONAL SEARCH AUTHORITY-EUROPEAN PATENT OFFICE, 04/04/05		
	2	ALAMOUTI, S.M., "A Simple Transmit Diversity Technique for Wireless Communications," IEEE Journal on Select Areas in Communications, Vol.16, No.8, October 1998, pgs.1451-1458		
	3	CHEN et al., "Novel Space-Time Processing of DS/CDMA Multipath Signal," IEEE 49th, Vehicular Technology Conference, Houston, Texas, May 16-20, 1999, pgs. 1809-1813		
	4	CHOI et al., "MIMO Transmit Optimization for Wireless Communication Systems," Proceedings of the First IEEE International workshops on Electronic Design, Piscataway, New Jersey, January 29-31 (2002)		
	-	FUJIH MASAAKA, Poeude Orthogonol Multiboom Timo Transmit Disamity for OFDM CDMA* age 222-226.	т	L
	Ĺ	,		ĺ
	6	HAUSTEIN et al., "Performance of MIMO Systems with Channel Inversion," IEEE 55th, Vehicular Technology Conference, Birmingham, Alabama, May 6-9 (2002), pgs. 35-39		
	7	HONG et al., "Robust Frequency Offset Estimation for Pilot Symbol Assisted Packet CDMA with MIMO Antenna Systems," IEEE Communications Letters, vol. 6, no. 6:262-264 (June 2002)		
	8	JOHAM et al., "Symbol Rate Processing for the Downlink of DS-CDMA Systems", IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATIONS, IEEE SERVICE CENTER, PISCATAWAY, US, vol. 19, no. 1, 1 January 2001 (2001-01-01), XP011055296, ISSN: 0733-8716, paragraphs 1, 2, 4, 5.		
	9	PAUTLER et al., "On Application of Multiple-Input Multiple-Output Antennas to CDMA Cellular Systems," IEEE 54th, Vehicular Technology Conference Proceedings, Atlantic City, New Jersey, October 7-11 (2001), pgs. 1508-1512		
	10	TARIGHAT et al., "Performance analysis of different algorithms for coma2000 antenna array system and a new multi user beamforming (MUB) algorithm", WIRELESS COMMUNICATIONS AND NETWORKING CONFERENCE, 2000. WCNC. 2000 IEEE E 23-26 SEPTEMBER 2000, PISCATAWAY, NJ. U.SA, IEEE, vol., 123 September 2000 (2000-09-23), pages 409-414. XP010532534, ISBN: 978-0-7803-6596-4, Paragraphs 2. 3.		
	11	THEON et al., "Improved Adaptive Downlink for OFDM/SDMA-Based Wireless Networks," IEEE VTS 53rd, Vehicular Technology Conference, Rhodes, Greece, May 6-9, (2001)		

	12	Engin	TUJKOVIC, "High bendwidth efficiency space-time turbo coded modulation", Institute of Electrical and Electronics Engineers, ICC 2001. 2001 IEEE International Conference on Communications, Conference Record., Helsinky, Finland, June 11-14, 2001, IEEE International Conference on Communications, New York, NY: IEEE, US, vol. 1 of 10, 11 June 2001 (2001-06-11), pgs 1104-1109, XP0105S3500							
	13		ZELST et al., "Space Division Multiplexing (SDM) for OFDM Systems," IEEE 51st, Vehicular Technology Conference Proceedings, Tokyo, Japan, May 15-18 (2000)							
	14	IEEE 802.11a, 'Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications: High- Speed physical Layer in the 5GHZ Band', September 1999								
If you wis	h to a	dd add	ditional non-patent literature document citation information p	lease click the Add t	outton					
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